Index of Claims

| A | pliq | atior | /Conti | rol No. |
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|   |      |       |        |         |

10/767,834

Examiner

Gary C. Hoge

Applicant(s)/Patent under Reexamination

MUELLER ET AL.

Art Unit

3611

| <b>√</b> | Rejected |
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| 11       | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
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| ı | Interference |

| A | Appeal   |
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| Cla      | Date                                   |                                       |                                     |  |                    |              |          |  |          |  |
| Final    | Original                               | 6/21/06                               |                                     |  |                    |              |          |  |          |  |
|          | 1                                      | T                                     |                                     | Г  |                    |              |          |  |          |  |
|          | 1<br>2<br>3                            |                                       |                                     | _  |                    | Г            | $\vdash$ |  |          |  |
|          | 3                                      | Г                                     |                                     | Г  |                    |              |          |  |          |  |
|          | 4                                      | Г                                     |                                     | Г  |                    |              |          |  |          |  |
|          | 4<br>5                                 |                                       |                                     | Г  |                    |              |          |  |          | Г  |
|          |  |                                       |                                     | Г  |                    |              | П        |  |          |  |
|          | 6<br>7                                 | √                                     |                                     |  |                    |              |          |  |          |  |
|          | 8                                      | ō                                     |                                     | L  |                    |              |          |  |          |  |
|          | 9                                      | 1                                     |                                     |  |                    |              |          |  |          |  |
|          | 10                                     | 1                                     | _                                   |  |                    | L            |          |  |          |  |
|          | 11                                     | \<br>\<br>\<br>\<br>\<br>\            | _                                   | <u> </u>   | <u> </u>           | <u> </u>     | L_       | <u> </u>   | L        | <u> </u>   |
|          | 12                                     | 1                                     | <u> </u>                            | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$     | <u> </u>           | <u> </u>     | <u> </u> | <u> </u>   | L        | <u> </u>   |
|          | 11<br>12<br>13<br>14<br>15<br>16<br>17 |                                       | _                                   | _  |                    | _            | L        | _  | _        |  |
| <u> </u> | 14                                     | 0                                     | _                                   | <u> </u>   | _                  | <u> </u>     | oxdot    | <u> </u>   | _        | ļ  |
| ļ        | 15                                     | 0                                     | $\vdash$                            | $\vdash$   | <u> </u>           | $\vdash$     | <u> </u> | <b> </b>   | _        | <del> </del>                                     |
| <u> </u> | 16                                     | 1                                     | -                                   | ⊢  |                    | ļ            | -        | H  | <u> </u> | ⊢  |
|          | 17                                     | 1                                     | ┝                                   | ⊢  |                    | ┝            | ⊢        | ┝  | <u> </u> | $\vdash$   |
| <u> </u> | 18<br>19                               | 1                                     | -                                   |  | _                  | -            | ┝        | H  |          | -  |
|          | 20                                     | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |                                     | ├-   |                    | ┝            | _        | $\vdash$   | $\vdash$ | ⊢  |
|          | 21                                     | 7                                     |                                     |  | _                  | -            | _        | $\vdash$   | $\vdash$ | $\vdash$   |
|          | 22                                     | J                                     |                                     |  | _                  | -            | _        |  | $\vdash$ | _  |
|          | 23                                     | 1                                     |                                     | -  | _                  | $\vdash$     | _        | $\vdash$   | $\vdash$ | _  |
|          | 24                                     | \<br>\<br>\<br>\<br>\<br>\            | $\vdash$                            | -  | _                  | <del> </del> | _        |  |          | _  |
|          | 25                                     | 1                                     |                                     | <u> </u>   | -                  |              |          |  |          |  |
|          | 26                                     | イントンフ                                 | $\vdash$                            | T  |                    |              | _        |  |          |  |
|          | 26<br>27                               | 1                                     |                                     |  |                    |              |          |  |          |  |
|          | 28                                     | 1                                     |                                     |  |                    |              |          |  |          |  |
|          | 29                                     | 1                                     |                                     |  |                    |              |          |  |          |  |
|          | 30                                     |                                       | L.,                                 |  |                    |              |          |  |          |  |
|          | 31                                     |                                       |                                     |  |                    |              |          |  |          |  |
|          | 32                                     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $ldsymbol{oxed}$                                 | $oxedsymbol{oxed}$ | L_           |          |  | L        | $oxedsymbol{oxed}$                               |
| <u> </u> | 33                                     | $ldsymbol{ldsymbol{ldsymbol{eta}}}$   | <u> </u>                            | <u> </u>   | oxdot              | <u> </u>     |          | Щ  | Щ        | L  |
| L        | 34                                     | <b> </b>                              | <u> </u>                            | <u> </u>   | _                  | _            |          | $oxed{oxed}$                                     | _        |  |
| <u> </u> | 35                                     | 1                                     | <u> </u>                            | <u> </u>   | <u> </u>           | $\vdash$     |          | $\vdash$   | <u> </u> | <u> </u>   |
|          | 36                                     | 0                                     | ├                                   | <del> </del>                                     | <u> </u>           |              | _        | $\vdash$   | <u> </u> | ⊢  |
| <u> </u> | 37                                     | o                                     | $\vdash$                            | <del> </del>                                     | $\vdash$           | <u> </u>     | <u> </u> | $\vdash$   | <u> </u> | <u> </u>   |
| <u> </u> | 38<br>39                               | 7                                     | $\vdash$                            | -  | -                  |              | _        | $\vdash$   | -        | ⊢  |
|          | 40                                     | <del>  `</del>                        | ├-                                  | ├  | $\vdash$           | $\vdash$     | H        | $\vdash$   | $\vdash$ | $\vdash$   |
|          | 41                                     | -                                     | ┢                                   | ├─   | $\vdash$           | $\vdash$     | -        | $\vdash$   | $\vdash$ | $\vdash$   |
| -        | 42                                     | $\vdash$                              | $\vdash$                            | $\vdash$   | <del> </del>       | -            | -        | $\vdash$   | $\vdash$ | $\vdash$   |
|          | 43                                     | 7                                     | <del> </del>                        | -  | -                  | $\vdash$     |          |  | $\vdash$ | $\vdash$   |
| $\vdash$ | 44                                     | 1                                     | $\vdash$                            | $\vdash$   | $\vdash$           | -            | Н        | <del>                                     </del> |          | $\vdash$   |
|          | 45                                     | V                                     | ┢                                   | 一  | $\vdash$           |              |          |  |          | <del>                                     </del> |
|          | 46                                     | V                                     | $\vdash$                            | <del>                                     </del> |                    |              |          |  |          | $\vdash$   |
|          | 47                                     | =                                     | T                                   | Г  |                    |              | -        |  | П        |  |
|          | 48                                     | =                                     | Ι_                                  | Π  |                    |              |          |  |          |  |
|          | 49                                     | =                                     | Г                                   |  |                    |              |          |  | Г        |  |
| _        | 50                                     | =                                     |                                     |  | Г                  |              |          |  |          |  |

| Cla           | im   | Г            |          |  | -            | Date   | е  |          |          |          |
|---------------|--|--------------|----------|--|--------------|--|--|----------|----------|----------|
|               |  | ┪            | Г        | Г  | T            |  | Г  |          |          | Г        |
| Final         | Original   | 6/21/06      |          |  |              |  |  |          |          |          |
|               | 51   | =            |          |  |              |  |  |          |          |          |
|               | 52   | =            |          |  |              |  |  |          |          |          |
|               | 53   | =            |          |  |              |  |  |          |          |          |
|               | 52<br>53<br>54<br>55                                     |              |          |  |              |  |  |          | Ш        |          |
|               | 55   |              |          |  |              |  | $oxedsymbol{oxed}$                               |          |          |          |
|               | 56   |              |          |  |              |  |  |          |          |          |
|               | 57   |              |          | L  | L            |  | L  |          | <u> </u> |          |
| <u></u>       | 58<br>59   |              |          |  | L            |  | L  |          |          |          |
| <u></u>       | 59   | _            | 匚        | <u> </u>   | L            |  | L_   |          | _        | _        |
| <u> </u>      | 60   | <u> </u>     | ļ        |  | L            | _  | _  |          |          |          |
| <u></u>       | 61   | _            | <u> </u> | <u> </u>   | _            | _  | _  |          |          |          |
| <u> </u>      | 62   | _            | <u> </u> | _  | <u> </u>     | _  | _  | _        |          |          |
|               | 62<br>63<br>64<br>65                                     | <u> </u>     |          | <u> </u>   | <u> </u>     | $\vdash$   | <u> </u>   | <u> </u> | ļ        | <u> </u> |
|               | 64   | <u> </u>     | <u> </u> | _  | <u> </u>     | <u> </u>   | <u> </u>   | _        | _        | _        |
| -             | 65   | <u> </u>     | <u> </u> | <u> </u>   |              |  | <u> </u>   | _        | _        |          |
| <u> </u>      | 66<br>67   | <u> </u>     | ├        |  |              | <u> </u>   | <u> </u>   | _        | _        | _        |
|               | 6/   | <u> </u>     | ⊢        | ⊢  | ┝            | ⊢  | <u> </u>   |          |          |          |
| <u> </u>      | 68   | <u> </u>     | ├        | _  | -            |  | <u> </u>   |          | <u> </u> |          |
|               | 70   |              | ├        |  |              | $\vdash$   | $\vdash$   |          |          |          |
|               | 70   | ├─           | ├        |  | -            |  | ┝  |          | -        |          |
| <u> </u>      | 72   |              | -        | -  |              | -  | -  |          | _        | _        |
| -             | 73   | <del> </del> | ├        | -  | -            | ├─   | ┝  | -        | _        | _        |
| -             | 7/   | -            | ⊢        | $\vdash$   | ┝            | ├  |  |          |          | _        |
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|               | 69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78 |              | $\vdash$ | $\vdash$   |              | $\vdash$   | _  |          | _        |          |
|               | 79   |              |          |  |              |  |  |          |          |          |
|               | 80   |              |          |  |              |  | Г  |          |          |          |
|               | 81   |              |          |  |              |  |  |          |          |          |
|               | 82   |              |          |  |              |  |  |          |          |          |
|               | 83   |              |          |  |              |  |  |          |          |          |
|               | 82<br>83<br>84<br>85                                     |              |          |  |              |  |  |          |          |          |
|               | 85   |              |          |  |              |  |  |          |          |          |
|               | 86   |              |          | _  |              | L  | L  |          |          |          |
|               | 87   | L            |          | _  | _            |  | L.   | L.,      | L_       | _        |
|               | 88   | L_           |          | <u> </u>   | _            |  | <u> </u>   |          | _        | _        |
|               | 89   |              | _        | <u> </u>   |              | _  | <u> </u>   |          | _        | _        |
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| <u> </u>      | 91   | <u> </u>     |          | <u> </u>   | H            | -  | -  | $\vdash$ | _        | <u> </u> |
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| $\vdash$      | 93   | -            | <u> </u> | $\vdash$   | $\vdash$     | <u> </u>   | $\vdash$   | -        |          |          |
|               | 94<br>95   | $\vdash$     | ⊢        | ├  | <del> </del> | $\vdash$   | $\vdash$   | $\vdash$ | <u> </u> | ⊢        |
| $\vdash$      | 96   | $\vdash$     | -        | -  |              | -  | $\vdash$   | $\vdash$ | -        | $\vdash$ |
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| -             | 98   | $\vdash$     | $\vdash$ | $\vdash$   | H            | -  | $\vdash$   | H        | $\vdash$ | ⊢        |
| $\vdash$      | 99   | $\vdash$     | Н        | <del>                                     </del> | $\vdash$     | <del>                                     </del> | <del> </del>                                     | -        | $\vdash$ |          |
|               | 100  | -            | $\vdash$ | $\vdash$   | $\vdash$     | <del>                                     </del> | <del>                                     </del> | $\vdash$ | $\vdash$ | $\vdash$ |
| $\overline{}$ | . 50   |              | Ц        | Ь  |              |  | Щ.   | Ь        |          |          |

| Cli   | aim                                    | Date     |              |              |          |          |                                     |              |          |           |
|-------|--|----------|--------------|--------------|----------|----------|-------------------------------------|--------------|----------|-----------|
|       |  |          |              |              |          |          |                                     |              |          |           |
| Final | Original                               |          |              |              |          |          |                                     |              |          |           |
|       | 101<br>102<br>103<br>104<br>105<br>106 |          |              |              |          |          |                                     |              |          |           |
|       | 102                                    |          |              |              |          |          |                                     |              |          | Ш         |
|       | 103                                    |          | _            | <u> </u>     |          | <u> </u> |                                     | _            | <u> </u> | Щ         |
|       | 104                                    |          | _            | _            | _        | <u> </u> | -                                   | _            | $\vdash$ | Н         |
|       | 105                                    |          | -            |              | $\vdash$ | -        |                                     |              | $\vdash$ | $\dashv$  |
|       | 107                                    |          | $\vdash$     |              | $\vdash$ | -        | -                                   | -            | $\vdash$ | $\dashv$  |
|       | 108                                    |          | $\vdash$     | _            | _        | $\vdash$ |                                     |              |          | $\dashv$  |
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|       | 110<br>111                             |          |              |              |          |          |                                     |              |          |           |
|       | 112                                    |          |              |              |          |          |                                     |              |          |           |
|       | 113<br>114<br>115                      |          |              | _            |          | L        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |              |          | Ш         |
|       | 114                                    |          | ļ            | <u> </u>     | <u> </u> | <u> </u> | _                                   | <u> </u>     | _        | Щ         |
|       | 115                                    |          | -            | ├—           | _        | ⊢        | <u> </u>                            | <u> </u>     | <u> </u> | Н         |
|       | 116<br>117                             |          | -            | ┝            | H        | ⊢        | ├                                   | -            | $\vdash$ | Н         |
|       | 118                                    | —        | ┝            | $\vdash$     | $\vdash$ | ⊢        | ⊢                                   | ⊢            | $\vdash$ | Н         |
|       | 119                                    | _        | ⊢            | ┢            | $\vdash$ | ⊢        | ⊢                                   | $\vdash$     | -        | Н         |
|       | 120                                    |          | <del> </del> | -            | $\vdash$ | ┢        | ┝                                   | $\vdash$     | $\vdash$ | $\vdash$  |
|       | 121<br>122<br>123                      |          | $\vdash$     | $\vdash$     | -        | <u> </u> | $\vdash$                            | <del> </del> |          | Н         |
|       | 122                                    |          |              |              | -        |          | _                                   | _            |          | П         |
|       | 123                                    |          |              |              |          |          |                                     |              |          |           |
|       | 124<br>125<br>126                      |          |              |              |          |          |                                     |              |          |           |
|       | 125                                    |          |              |              |          |          |                                     |              |          |           |
|       | 126                                    |          |              | L            | <u> </u> | <u> </u> | L_                                  | L            | <u> </u> | Щ         |
|       | 127<br>128<br>129<br>130               |          |              | L.           | ļ        | _        | <u> </u>                            |              |          | Ц         |
|       | 128                                    |          | _            | _            | <u> </u> | <u> </u> | <u> </u>                            | <u> </u>     |          | $\dashv$  |
|       | 129                                    | _        | _            | <u> </u>     | _        |          | H                                   | H            | $\vdash$ | $\dashv$  |
|       | 131                                    | _        | -            | -            | _        | $\vdash$ | -                                   | $\vdash$     | $\vdash$ | Н         |
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|       | 132<br>133<br>134<br>135<br>136        |          |              |              |          |          |                                     | -            |          | Н         |
|       | 134                                    |          |              |              |          |          |                                     | $\vdash$     |          | П         |
|       | 135                                    |          |              |              |          |          |                                     |              |          |           |
|       | 136                                    |          |              |              |          |          |                                     |              |          |           |
|       | 137<br>138                             |          |              |              |          | _        | _                                   | _            | _        | Ш         |
|       | 138                                    |          | <u> </u>     | _            | <u> </u> | <u> </u> | _                                   | <u> </u>     | ļ        | $\square$ |
|       | 139                                    |          | <u> </u>     | -            | <u> </u> | <u> </u> | ├                                   |              | ┞        | Н         |
|       | 140                                    |          |              |              | -        | ┞        | ├-                                  | <u> </u>     | $\vdash$ | Н         |
|       | 141<br>142                             | -        | -            | -            | -        | ├        | ├-                                  | ├            | $\vdash$ | $\vdash$  |
|       | 143                                    | Н        | -            | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$                            | $\vdash$     | Н        | $\dashv$  |
|       | 144                                    | $\vdash$ | -            | ╁            | $\vdash$ | $\vdash$ | -                                   | $\vdash$     |          | H         |
|       | 145                                    | Н        | T            | <del> </del> |          | <b>-</b> | <u> </u>                            | ┢            |          | H         |
|       | 146                                    |          |              |              | Г        | Г        |                                     |              |          | П         |
|       | 147                                    |          |              |              |          |          |                                     |              |          |           |
|       | 148                                    |          |              |              |          |          |                                     |              |          |           |
|       | 149                                    |          |              |              | L        | L        | L                                   |              |          |           |
|       | 150                                    |          |              |              | L_       |          |                                     |              |          |           |